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ABSTRACT

This guide to using the tools of online databases, telecommunications, and CD-ROM technology in the educational environment provides a practical introduction to the concepts and importance of information literacy and high technology resource-based learning. It also describes the drawbacks and advantages of these tools from an educator's viewpoint. The book provides procedures for going online and gives guidelines for using CD-ROM technology and networking. Chapter 1 focuses on developing information literacy within a resource-based learning environment using high-tech tools and their affinity with instructional theory and student achievement. Chapter 2 provides a background for online databases, utilities, and telecommunications networks. It covers getting started, advantages and disadvantages of online searching, database vendors, electronic mail, concerns in using telecommunications in the classroom, and the Internet. Chapters 3 and 4 examine CD-ROMs and education, including planning, local area networks, and CD-ROM networks. Case studies of schools using information technology are presented in Chapter 5, and Chapter 6 outlines a model for a research strategy using online technology. Finally, Chapter 7 contains sample lesson plans to serve as models to integrate curricula and high-tech tools to stimulate student motivation and achievement. A glossary and an index are included. (Contains 141 references.) (JLB)

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